

Abstract:**"Biodegradable Copolymer and Nucleic Acid Delivery System"**

- 5 The present invention provides positively chargeable biodegradable copolymers composed of a low molecular weight polycationic copolymer polyethylenimine linked by cyclodextrin, a method for the copolymer synthesis and the method of using the copolymers for intracellular delivery of nucleic acid molecules. The copolymers comprise ester bonds for hydrolysis and positively charged amines for forming
- 10 complexes with negatively charged nucleic acids. The copolymers of the invention are useful as delivery systems of therapeutic genetic materials for gene therapy.

[Figure 1B]